

Title (en)  
Wind powered generator

Title (de)  
Durch Windkraft angetriebener Generator

Title (fr)  
Générateur entraîné par le vent

Publication  
**EP 0787901 A1 19970806 (EN)**

Application  
**EP 96101432 A 19960201**

Priority  
EP 96101432 A 19960201

Abstract (en)  
An electrical power generating system that uses wind power to drive hydraulic pumps or motors that in turn drive electrical generators. The system uses a plurality of squirrel-cage type fans or turbines (12,14) arranged with their axes in different intersecting planes to more effeciently utilize the wind. The wind turbines are mounted on a partly enclosed supporting structure (21,23,25) that directs the wind for the most efficient use of the turbines, and the entire unit is rotatable about a pivot support (20) so that the unit can swing through a full circle to orient itself to the wind direction.

IPC 1-7  
**F03D 3/04**; **F03D 3/06**; **F03D 9/00**; **F03D 11/02**

IPC 8 full level  
**F03D 3/04** (2006.01); **F03D 3/06** (2006.01); **F03D 9/25** (2016.01); **F03D 9/28** (2016.01); **F03D 15/00** (2016.01)

CPC (source: EP US)  
**F03D 3/02** (2013.01 - EP US); **F03D 3/0454** (2013.01 - EP US); **F03D 3/061** (2013.01 - EP); **F03D 9/25** (2016.05 - EP US); **F03D 9/28** (2016.05 - EP US); **F03D 15/00** (2016.05 - EP); **F05B 2240/215** (2013.01 - EP); **F05B 2240/40** (2013.01 - EP); **F05B 2250/11** (2013.01 - EP); **F05B 2250/232** (2013.01 - EP); **F05B 2260/406** (2013.01 - EP); **Y02E 10/74** (2013.01 - EP); **Y02P 80/10** (2015.11 - EP)

Citation (search report)

- [Y] US 1502950 A 19240729 - GREENBROOK HANS C
- [Y] WO 9419605 A1 19940901 - GELHARD EGON [DE]
- [Y] FR 997942 A 19520111
- [Y] US 4764683 A 19880816 - COOMBES DONALD E [US]
- [Y] GB 2097481 A 19821103 - STORE ROLAND
- [Y] US 4915580 A 19900410 - OBIDNIAK LOUIS [CA]
- [A] DE 2931983 A1 19810527 - PRANGE EMIL
- [A] DE 3027909 A1 19820211 - CASPARY HORST, et al
- [A] US 4498017 A 19850205 - PARKINS WILLIAM E [US]
- [E] US 5495128 A 19960227 - BRAMMEIER FRED L [US]

Cited by  
EP1677002A3; CN106930897A; BE1020127A5; FR2814504A1; DE102013019496A1; WO03089787A1

Designated contracting state (EPC)  
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**EP 0787901 A1 19970806**; **EP 0787901 B1 20011121**; AT E209302 T1 20011215; DE 69617191 D1 20020103

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